ATTACHMENT A

Amendment to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously presented) A wound dressing comprising:

a carrier layer having a wound-facing surface, said carrying layer comprising a polymeric material adherent to anchorage dependent cells and treated on the wound-facing surface thereof to be non-adherent to cells, said polymeric material comprising a polymer selected from a group consisting of polyhydroxyethylmethacrylic acids, cross-lined polyvinylalcohols, polyacrylic acids cross-linked with trialkylsucrose, polyvinylpyrrolidones, polyetherpolyesters, polyetherpolyamides, polyacrylamides, polyethylene oxide, polyurethanes and ethylenevinyl acetate copolymers, said surface being non-adherent to anchorage-dependent cells and having disposed thereon a biodegradable cell anchoring layer comprising a material selected from the group consisting of:

(i) a polyanion selected from the group consisting of a heparin, an inositol phosphate, fucoidin, syndecan, betaglycan, perlecan, dextran sulphate, pentosan, mesoglycan and polyvinyl sulphate; and

(ii) a polycation comprising a polypeptide; and

said anchoring layer having anchored thereto mammalian cells which form a cell layer comprising a material selected from the group consisting of keratinocytes and fibroblasts.

2. (Previously presented) The wound dressing of claim 1 wherein the carrier layer comprises a polymeric material adherent to anchorage dependent cells and treated on the wound facing surface thereof to be non-adherent to cells, said polymeric material comprising a polymer selected from a group consisting of polyhydroxyethylmethacrylic acids, cross-lined polyvinylalcohols, polyacrylic acids cross-linked with trialkylsucrose, polyvinylpyrrolidones, polyetherpolyesters, polyetherpolyamides, polycrylamides, polyethylene oxide, polyurethanes and ethylenevinyl acetate copolymers.

3. (Original) The wound dressing of claim 2 wherein the material is a cross-linked hydroxyalkyl cellulose, a cross-linked carboxyalkyl cellulose, a polyvinyl alcohol or an agarose.

4. (Original) The wound dressing of claim 1 wherein the carrier layer comprises a material adherent to anchorage dependent cells and treated on the wound facing surface thereof to be non-adherent to cells.

5. (Original) The wound dressing of claim 4 wherein the adherent material comprises a polymer selected from a group consisting of; polyhydroxyethylmethacrylic acids, cross-linked polyvinylalcohols, polyacrylic acids cross-linked with trialkylsucrose, polyvinylpyrrolidones, polyetherpolyesters, polyetherpolyamides, polycrylamides, polyethylene oxide, polyurethanes and ethylenevinyl acetate copolymers.

6. (Previously presented) The wound dressing of claim 1 wherein the wound facing surface is treated with a phosphocholine, a silicone, a polyethylene glycol or a polytetrafluoroethylene.

7. (Previously presented) A wound dressing according to claim 1 wherein the biodegradable cell anchoring layer comprises a polyanion moiety.

8. (Previously presented) The wound dressing of claim 1 wherein the polyanion moiety has anchored thereto a cell adhesion protein.

9. (Previously presented) The wound dressing of claim 7 wherein the polyanion is a heparin, an inositol phosphate, fucoidin, syndecan, betaglycan, perlecan, dextran sulphate, pentosan, mesoglycan or polyvinyl sulphate, and wherein said cell anchoring layer has anchored thereto mammalian cells which form a cell layer comprising either keratinocytes or fibroblasts.

10. (Previously presented) The wound dressing of claim 1 wherein the biodegradable cell anchoring layer comprises a polypeptide.

11. (Previously presented) The wound dressing of claim 1 wherein the polypeptide is polylysine.

12. Canceled.

13. Canceled.

14. (Previously presented) The wound dressing of claim 1 wherein the cell layer comprises both keratinocytes and fibroblasts.

15. (Currently amended) The wound dressing of claim ~~12~~1 wherein the cell layer comprises either autologous cells or allogenic cells.

16. (Currently amended) The wound dressing of claim ~~12~~1 wherein the cell layer comprises both autologous and allogenic cells.

17. (Previously presented) A cell culture system comprising:

(a) a wound dressing comprising a carrier layer having a wound-facing surface, said carrier layer comprising a polymeric material adherent to anchorage dependent cells and treated on the wound-facing surface thereof to be non-adherent to cells, said polymeric material comprising a polymer selected from a group consisting of polyhydroxyethylmethacrylic acids, cross-lined polyvinylalcohols, polyacrylic acids cross-linked with trialkylsucrose, polyvinylpyrrolidones, polyetherpolyesters, polyetherpolyamides, polyacrylamides, polyethylene oxide, polyurethanes and ethylenevinyl acetate copolymers, said surface being non-adherent to anchorage

dependent cells and having disposed thereon a biodegradable cell anchoring layer comprising a material selected from the group consisting of:

(i) a polyanion selected from the group consisting of a heparin, an inositol phosphate, fucoidin, syndecan, betaglycan, perlecan, dextran sulphate, pentosan, mesoglycan and polyvinyl sulphate; and

(ii) a polycation comprising a polypeptide; and

(b) a vessel having interior and exterior surfaces for containing a liquid culture medium for culturing cells and the dressing.

18. (Previously presented) A method of treating a skin trauma site on a mammalian patient comprising the step of applying to a patient a wound dressing, said dressing comprises:

(a) a carrier layer comprising a polymeric material adherent to anchorage dependent cells and treated on a wound-facing surface thereof to be non-adherent to cells, said polymeric material comprising a polymer selected from a group consisting of polyhydroxyethylmethacrylic acids, cross-lined polyvinylalcohols, polyacrylic acids cross-linked with trialkylsucrose, polyvinylpyrrolidones, polyetherpolyesters, polyetherpolyamides, polyacrylamides, polyethylene oxide, polyurethanes and ethylenevinyl acetate copolymers, said wound-facing surface being non-adherent to anchorage dependent cells and having disposed thereon a biodegradable cell anchoring layer comprising a material selected from the group consisting of:

(i) a polyanion selected from the group consisting of a heparin, an inositol phosphate, fucoidin, syndecan, betaglycan, perlecan, dextran sulphate, pentosan, mesoglycan and polyvinyl sulphate; and

(ii) a polycation comprising a polypeptide; and

(b) a layer of mammalian cells comprising a material selected from the group consisting of keratinocytes and fibroblasts anchored to the anchoring layer.

19. (Previously presented) A method of preparing a wound dressing comprising the steps of:

(a) obtaining a surface which is non-adherent to the anchorage dependent cells on a wound facing surface of a carrier layer which comprises a polymeric material adherent to anchorage dependent cells and treated on the wound-facing surface thereof to be non-adherent to cells, said polymeric material comprising a polymer selected from a group consisting of polyhydroxyethylmethacrylic acids, cross-lined polyvinylalcohols, polyacrylic acids cross-linked with trialkylsucrose, polyvinylpyrrolidones, polyetherpolyesters, polyetherpolyamides, polyacrylamides, polyethylene oxide, polyurethanes and ethylenevinyl acetate copolymers;

(b) forming a biodegradable cell anchoring layer on a non-adherent to anchorage dependent cells surface of a carrier layer, said anchoring layer comprising a material selected from the group consisting of:

(i) a polyanion selected from the group consisting of a heparin, an inositol phosphate, fucoidin, syndecan, betaglycan, perlecan,

dextran sulphate, pentosan, mesoglycan and polyvinyl sulphate; and

(ii) a polycation comprising a polypeptide; and

(c) culturing a carrier layer which comprises a non-adherent to anchorage dependent cell surface and biodegradable cell anchoring layer in the presence of mammalian cells comprising a material selected from the group consisting of keratinocytes and fibroblasts.